

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>									DATE <b>February 2003</b>	
BUDGET ACTIVITY <b>05 - System Development and Demonstration (SDD)</b>					PE NUMBER AND TITLE <b>0604421F Counterspace Systems</b>					
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	39,458	82,565	76,061	27,829	32,813	28,922	77,020	Continuing	TBD
A001 Counter Satellite Communications System	0	9,051	9,575	6,256	6,355	6,530	6,696	6,823	Continuing	TBD
A002 Counter Surveillance Reconnaissance System	0	23,528	66,378	53,363	4,985	14,185	9,817	3,726	Continuing	TBD
A003 Rapid Identification Detection and Reporting System (RAIDRS)	0	6,879	6,612	16,442	16,489	12,098	12,409	66,471	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description**  
 This program supports the conduct of critical planning, technology maturation/insertion, and system acquisition in support of Air Force space control systems and associated command and control development to meet current and future military space control needs. Development and acquisition of counterspace systems will be conducted, capitalizing on the technology development and risk reduction efforts of PE 0603438F, Space Control Technology. This funding supports all phases of the acquisition process: concept development, risk reduction, design, demonstration, and production. Space control systems include both offensive counterspace (OCS) and defensive counterspace (DCS) systems. OCS systems include the means to disrupt, deny, degrade, or destroy an adversary's space systems, or the information they provide, which may be used for purposes hostile to U.S. national security interests. DCS systems include both active and passive measures to protect U.S. and friendly space systems (satellites, communications links, and supporting ground systems) from natural threats and from enemy attempts to negate or interfere with space operations. This includes development efforts to prevent adversarial ability to use U.S. space systems and services for purposes hostile to U.S. national security interests.

(U) **B. Budget Activity Justification**  
 This program is in Budget Activity 5, System Development and Demonstration, because it supports the demonstration, engineering and manufacturing development of counterspace and space control systems.

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BUDGET ACTIVITY

PE NUMBER AND TITLE

**05 - System Development and Demonstration (SDD)****0604421F Counterspace Systems**(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U) Previous President's Budget		40,053	87,863	TBD
(U) Appropriated Value		40,053		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions		-424		
b. Small Business Innovative Research				
c. Omnibus or Other Above Threshold Reprogram		-171		
d. Below Threshold Reprogram				
e. Rescissions				
(U) Adjustments to Budget Years Since FY 2003 PBR			-5,298	
(U) Current Budget Submit/FY 2004 PBR		39,458	82,565	TBD
(U) <u>Significant Program Changes:</u>				
None				

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DATE

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BUDGET ACTIVITY

**05 - System Development and Demonstration (SDD)**

PE NUMBER AND TITLE

**0604421F Counterspace Systems**

PROJECT

**A001**

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
A001 Counter Satellite Communications System	0	9,051	9,575	6,256	6,355	6,530	6,696	6,823	Continuing	TBD

(U) **A. Mission Description**

This effort supports concept exploration and follow-on system development of a mobile/transportable counter satellite communications system and associated command and control derived from technologies examined in PE 0603438F, Space Control Technology, in the area of Offensive Counter Space. It includes system hardware design and development, software design and integration, testing and procurement of a capability to provide jamming of satellite communications signals in response to USSTRATCOM requirements.

## Budget Activity Justification:

This program is in Budget Activity 5, System Development and Demonstration, because it supports the demonstration, engineering and manufacturing development of counterspace and space control systems.

(U) **FY 2002 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program  
 (U) \$0 No Activity  
 (U) \$0 Total

(U) **FY 2003 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program  
 (U) \$7,574 Continue to develop, integrate, test, and field a lightweight, transportable Counter Satellite Communications System  
 (U) \$1,427 Program Office and other Technical Support  
 (U) \$50 Developmental Test/Operational Test (DT/OT) support  
 (U) \$9,051 Total

(U) **FY 2004 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program  
 (U) \$8,000 Continue to develop, integrate, test, and field a lightweight, transportable Counter Satellite Communications System and associated command and control  
 (U) \$1,525 Program Office and other Technical Support

Project A001

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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

**05 - System Development and Demonstration (SDD)****0604421F Counterspace Systems****A001**(U) **A. Mission Description Continued**(U) FY 2004 (\$ in Thousands) Continued

(U) \$50 Developmental Test/Operational Test (DT/OT) support

(U) \$9,575 Total

(U) **B. Project Change Summary**

None

(U) **C. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) AF RDT&amp;E

(U) Other APPN

(U) **D. Acquisition Strategy**

All contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.

(U) **E. Schedule Profile**

	<u>FY 2002</u>			<u>FY 2003</u>			<u>FY 2004</u>					
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Contract award for Counter Comm system development (PE0603438F)			*									
(U) Lightweight SATCOM Jammer system development starts (PE0603438F)			*									
(U) Training and Tech Order Development									X			
(U) System development (systems 2 & 3)									X			
(U) Deliver 1st system										X		
(U) Operational Assessment - 1st system										X		
(U) Training and Tech Order Development (systems 2 & 3)												X

\* = Completed X= Scheduled

Contract award slipped from Jan 02 to Apr 02 due to slower than projected development of security procedures and processes for the new system development. This, along with contractor's proposal of 16 months to deliver vs government estimate of 14 months, caused 1st system delivery to slip to 1st Qtr/FY04. Deliveries planned

Project A001

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2003				
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT			
05 - System Development and Demonstration (SDD)					0604421F Counterspace Systems				A001			
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>												
					<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>			
(U)	Develop, integrate, test, and field SATCOM Jammer capability				0		7,574		8,000			
(U)	Program Office technical support (FFRDC)				0		1,427		1,525			
(U)	DT/OT testing support				0		50		50			
(U)	Total				0		9,051		9,575			
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>												
(U) <u>Performing Organizations:</u>												
<u>Contractor or</u>		<u>Contract</u>										
<u>Government</u>		<u>Method/Type</u>		<u>Award or</u>		<u>Performing</u>		<u>Project</u>				
<u>Performing</u>		<u>or Funding</u>		<u>Obligation</u>		<u>Activity</u>		<u>Office</u>		<u>Total Prior</u>		
<u>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>		<u>to FY 2002</u>		
<u>Product Development Organizations</u>												
MAPIC (TRW)		CPAF		9 April 2002		N/A		N/A		0		
<u>Support and Management Organizations</u>												
SMC, FFRDC, Various		CPAF		Various		N/A		N/A		0		
SETAs												
<u>Test and Evaluation Organizations</u>												
AFOTEC		MIPR		TBD		N/A		N/A		0		
Note: MAPIC Contract awarded in FY02 under PE 0603438F, Space Control Technology												
					<u>Total Prior</u>		<u>Budget</u>		<u>Budget</u>		<u>Budget</u>	
					<u>to FY 2002</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>	
<u>Subtotals</u>												
Subtotal Product Development					0		0		7,574		8,000	
Subtotal Support and Management					0		0		1,427		1,525	
Subtotal Test and Evaluation					0		0		50		50	
Total Project					0		0		9,051		9,575	

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)									DATE <b>February 2003</b>	
BUDGET ACTIVITY <b>05 - System Development and Demonstration (SDD)</b>				PE NUMBER AND TITLE <b>0604421F Counterspace Systems</b>					PROJECT <b>A002</b>	
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
A002     Counter Surveillance Reconnaissance System	0	23,528	66,378	53,363	4,985	14,185	9,817	3,726	Continuing	TBD
<p>(U)    <b><u>A. Mission Description</u></b></p> <p>This effort supports concept exploration and follow-on system development of a mobile/transportable counter space based surveillance reconnaissance capability and associated command and control derived from technologies examined in PE 0603438F, Space Control Technology. It includes system hardware design and development, software design and integration, and testing and procurement to provide a capability to counter space based systems in response to USSTRATCOM requirements. This program continues systems integration and test studies, and related support activities necessary for the development of a counter surveillance reconnaissance system.</p> <p>Budget Activity Justification</p> <p>This program is in Budget Activity 5, System Development and Demonstration, because it supports the demonstration, engineering and manufacturing development of counterspace and space control systems.</p> <p>(U)    <b><u>FY 2002 (\$ in Thousands)</u></b></p> <p>(U)    \$0                      Accomplishments/Planned Program</p> <p>(U)    \$0                      No Activity</p> <p>(U)    \$0                      Total</p> <p>(U)    <b><u>FY 2003 (\$ in Thousands)</u></b></p> <p>(U)    \$0                      Accomplishments/Planned Program</p> <p>(U)    \$18,728                Continue engineering and manufacturing development of a Counter Surveillance Reconnaissance system and associated command and control. Includes acquisition of an EMD unit. Also includes source selection and contract award for the Concept Definition Phase. Will incorporate System Requirements Review (SRR) and potentially a System Design Review (SDR) in late FY03.</p> <p>(U)    \$3,500                Continue specific technology development for the Counter Surveillance Reconnaissance System.</p> <p>(U)    \$500                    Provide support for component field testing.</p> <p>(U)    \$800                    Continue development and implementation of modeling and simulation codes specific to Counter Surveillance Reconnaissance threats. Includes vulnerability analysis of these threats.</p> <p>(U)    \$23,528                Total</p>										
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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

05 - System Development and Demonstration (SDD)

0604421F Counterspace Systems

A002

(U) **A. Mission Description Continued**(U) **FY 2004 (\$ in Thousands)**

(U)	\$0	Accomplishments/Planned Program
(U)	\$51,378	Continue concept development and risk reduction of a Counter Surveillance Reconnaissance system and associated command and control. Includes acquisition of an EMD unit. Includes source selection and contract award for the system design phase in 1st Qtr/FY04 and a Preliminary Design Review in 3rd Qtr.
(U)	\$6,500	Risk reduction component development to support the Preliminary Design Review
(U)	\$4,900	Continue specific technology development for the Counter Surveillance Reconnaissance System.
(U)	\$1,300	Provide support for component field testing.
(U)	\$2,300	Continue development and implementation of modeling and simulation codes specific to Counter Surveillance Reconnaissance threats. Includes vulnerability analysis of these threats.
(U)	\$66,378	Total

(U) **B. Project Change Summary**

None

(U) **C. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) Other APPN										
(U) OPAF (PE 0604421F), Counterspace Systems, Line P-68				9,880	47,524	38,147	31,179	35,337	Continuing	TBD

(U) **D. Acquisition Strategy**

All contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.

(U) **E. Schedule Profile**FY 2002FY 2003FY 2004

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PE NUMBER AND TITLE

PROJECT

05 - System Development and Demonstration (SDD)

0604421F Counterspace Systems

A002

(U) E. Schedule Profile Continued

	<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Complete Counter SR Military Utility Analysis (PE0603438F)	*											
(U) Pre-Key Decision Point (KDP) B System Dev New Start (PE 060343F)			*									
(U) Contract Award for Concept Definition Phase					*							
(U) KDP B for Counter Surveillance Reconnaissance								X				
(U) Initial Requirements Document Completion (IRD) (PE0603438F)				*								
(U) Counter Surveillance Reconnaissance System Source Selection								X				
(U) Counter SR System Design Phase contract award									X			
(U) Preliminary Design Review											X	
* = Completed Event X = Scheduled Event												

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE				
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BUDGET ACTIVITY					PE NUMBER AND TITLE			PROJECT				
05 - System Development and Demonstration (SDD)					0604421F Counterspace Systems			A002				
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>												
					<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>			
(U) Acquisition of Counter SR EMD unit					0		18,728		51,378			
(U) Risk reduction component development					0		0		6,500			
(U) Technology Development					0		3,500		4,900			
(U) Support for component field testing					0		500		1,300			
(U) Develop and implement modeling and simulation codes					0		800		2,300			
(U) Total					0		23,528		66,378			
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>												
(U) <u>Performing Organizations:</u>												
<u>Contractor or</u>		<u>Contract</u>										
<u>Government</u>		<u>Method/Type</u>		<u>Award or</u>		<u>Performing</u>		<u>Project</u>				
<u>Performing</u>		<u>or Funding</u>		<u>Obligation</u>		<u>Activity</u>		<u>Office</u>		<u>Total Prior</u>		
<u>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>		<u>to FY 2002</u>		
								<u>Budget</u>		<u>Budget</u>		
								<u>FY 2002</u>		<u>FY 2003</u>		
								<u>FY 2004</u>		<u>Budget to</u>		
								<u>FY 2004</u>		<u>Complete</u>		
										<u>Total</u>		
<u>Product Development Organizations</u>												
MAPIC (TRW)		CPAF		8 Jan 02		TBD		TBD		0		
FFRDC/SETA		CPAF		Various		TBD		TBD		0		
<u>Support and Management Organizations</u>												
SMC		N/A		N/A		N/A		N/A		0		
AFRL		N/A		N/A		N/A		N/A		0		
<u>Test and Evaluation Organizations</u>												
AFOTEC/AFRL		MIPR		TBD		TBD		TBD		0		
Note: MAPIC Contract awarded in FY02 under PE 0603438F, Space Control Technology												
					<u>Total Prior</u>		<u>Budget</u>		<u>Budget</u>		<u>Budget</u>	
					<u>to FY 2002</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>	
											<u>Budget to</u>	
											<u>Complete</u>	
											<u>Total</u>	
<u>Subtotals</u>												
Subtotal Product Development					0		0		21,728		62,078	
Subtotal Support and Management					0		0		1,300		3,000	
Subtotal Test and Evaluation					0		0		500		1,300	
Total Project					0		0		23,528		66,378	
Project A002												
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BUDGET ACTIVITY

**05 - System Development and Demonstration (SDD)**

PE NUMBER AND TITLE

**0604421F Counterspace Systems**

PROJECT

**A003**

COST (\$ in Thousands)		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
A003	Rapid Identification Detection and Reporting System (RAIDRS)	0	6,879	6,612	16,442	16,489	12,098	12,409	66,471	Continuing	TBD

(U) **A. Mission Description**

This effort supports concept exploration, architecture development and engineering and manufacturing development to provide attack warning, threat identification and characterization, and rapid mission impact assessments of U.S. space systems. The concepts explored will investigate the technical architecture, operational concept, support concept development, training, verification (test), and deployment of a Rapid Attack Identification Detection and Reporting System (RAIDRS). Incremental capability deliveries are planned, starting with Proof-of-Concept Demo.

## Budget Activity Justification

This program is in Budget Activity 5, System Development and Demonstration, because it supports the engineering and manufacturing development of counterspace and space control systems.

(U) **FY 2002 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program

(U) \$0 No Activity

(U) \$0 Total

(U) **FY 2003 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program

(U) \$4,379 Continue concept definition of a Rapid Attack Identification Detection and Reporting System. Development of an Attack Warning system architecture.

(U) \$1,500 Begin pre-acquisition demonstration, exercises, and experiments of possible RAIDRS architecture technologies.

(U) \$1,000 Continue system specific risk reduction efforts of advanced technologies.

(U) \$6,879 Total

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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

05 - System Development and Demonstration (SDD)

0604421F Counterspace Systems

A003

(U) **A. Mission Description Continued**(U) FY 2004 (\$ in Thousands)

(U) \$0 Accomplishments/Planned Program

(U) \$3,912 Continue concept definition, pre-acquisition architecture development and system acquisition development of a Rapid Attack Identification Detection and Reporting System. Continue developing of an Attack Warning system architecture.

(U) \$1,500 Architecture demonstration, architecture upgrades and risk reduction and technology development activities to support the RAIDRS development.

(U) \$1,200 Program Office and Other Technical Support

(U) \$6,612 Total

(U) **B. Project Change Summary**

None

(U) **C. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u> <u>Actual</u>	<u>FY 2003</u> <u>Estimate</u>	<u>FY 2004</u> <u>Estimate</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) Other APPN										
(U) OPAF (PE 0604421F), Counterspace Systems, P-68						25,691	26,936	23,630	Continuing	TBD

(U) **D. Acquisition Strategy**

All contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.

(U) **E. Schedule Profile**

	<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Potential attack reporting solutions and architecture studies		*										
(U) Begin development of Attack Warning architecture (PE0603438F)		*										
(U) Attack Warning concept definition (Proof-of Concept Experiment)									X			X
(U) Attack Warning architecture defined									X			
(U) Satellite as a Sensor (SAS) prototype deliveries					*		X	X		X		
(U) Radio Frequency Interference Detection System (RFIDS) prototype								X				X

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PE NUMBER AND TITLE

PROJECT

05 - System Development and Demonstration (SDD)

0604421F Counterspace Systems

A003

(U) E. Schedule Profile Continued

<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
1	2	3	4	1	2	3	4	1	2	3	4

(U) RAIDRS Milestone Decision (KDP B)

X

(U) System Development and Demonstration Contract Award

X

\* = Completed Event

X = Scheduled Event

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2003			
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT		
05 - System Development and Demonstration (SDD)					0604421F Counterspace Systems				A003		
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>											
						<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>	
(U)	Concept definition of a Rapid Attack Identification Detection and Reporting System					0		4,379		3,912	
(U)	Pre-Milestone B activities					0		1,500		1,500	
(U)	System risk reduction activities of advanced technologies					0		1,000			
(U)	Program Office and other Technical Support									1,200	
(U)	Total					0		6,879		6,612	
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
(U) <u>Performing Organizations:</u>											
<u>Contractor or</u>	<u>Contract</u>										
<u>Government</u>	<u>Method/Type</u>	<u>Award or</u>	<u>Performing</u>	<u>Project</u>							
<u>Performing</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Activity</u>	<u>Office</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>	
<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>	
<u>Product Development Organizations</u>											
MAPIC (TRW)	CPAF				0	0	2,687	4,059	Continuing	TBD	
FFRDC, Various SETA, SPO	CPAF	Various	N/A	N/A	0	0	2,130	1,500	Continuing	TBD	
CERES	MIPR	TBD	999	999	0	0	999		0	999	
Note: MAPIC Contract awarded in FY02 under PE 0603438F, Space Control Technology											
<u>Support and Management Organizations</u>											
SMC/Various SETAs	Various	Various	N/A	N/A	0	0	1,063	1,053	Continuing	TBD	
<u>Test and Evaluation Organizations</u>											
					<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>	
<u>Subtotals</u>					<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>	
Subtotal Product Development					0	0	5,816	5,559	TBD	TBD	
Subtotal Support and Management					0	0	1,063	1,053	TBD	TBD	
Subtotal Test and Evaluation											
Total Project					0	0	6,879	6,612	TBD	TBD	

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Exhibit R-3 (PE 0604421F)